

**To:** Bahnfleth, Ryan[Bahnfleth.Ryan@epa.gov]; Adamczyk, Megan[Megan.Adamczyk@WestonSolutions.com]; Pryhoda, Moira[Moira.Pryhoda@WestonSolutions.com]  
**From:** Wall, Dan  
**Sent:** Wed 8/12/2015 2:21:58 PM  
**Subject:** RE: Gold King Mine August 6 samples delivered to Green Analytical Laboratories (GAL)

I was performing oversight of these folks and witnessed it as well. I concur with Ryan. Emphatically.

**From:** Bahnfleth, Ryan  
**Sent:** Wednesday, August 12, 2015 8:20 AM  
**To:** Adamczyk, Megan; Wall, Dan; Pryhoda, Moira  
**Subject:** FW: Gold King Mine August 6 samples delivered to Green Analytical Laboratories (GAL)

Hi Meghan, The Total Recoverable sample was not filtered. Both myself and Leslie Christner handled the samples and can testify to this fact. Please read the email below and let me know if you need anything else to clear this up.

Ryan M. Bahnfleth

ESAT GIS Task Lead

U.S. EPA Region 8 Contractor

Golden, CO

303.312.7723



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**From:** Dave Christenson  
**Sent:** Tuesday, August 11, 2015 10:35 PM

**Personal Email/Ex. 6**

**To:** McComb, Martin

**Cc:** Bahnfleth, Ryan; Wall, Dan; Christenson, Dave; [auer.steve@epa.gov](mailto:auer.steve@epa.gov); Christner, Leslie

**Subject:** Gold King Mine August 6 samples delivered to Green Analytical Laboratories (GAL)

The CoC for samples delivered to GAL, samples taken from these locations:

- A72
- A68
- 32nd St. Bridge (Durango)
- Aztec water intake
- Farmington water intake &
- Durango water intake

Is attached. The August 6 sample from CC48 was collected before any of the above samples. Leslie Christner with Techlaw collected the sample from CC48. I watched Leslie Christner return from Cement Creek with the sample from CC48. Shortly after CC48 sample collection, we reorganized vehicles and provisioned the truck Ryan Bahnfleth was driving to collect the rest of the samples listed above. Inadvertently, the CC48 sample was not transferred to Ryan Bahnfleth's truck. Leslie & Ryan proceeded to collect samples from locations A72, A68 and the 32nd St. Bridge. Dan Wall & I met Ryan & Leslie at the Durango water intake & assisted with sample collection there. We all drove to the Aztec & Farmington water intake locations, and Dan & I assisted with sample location at both of those locations. We all then drove to GAL in Durango and transferred the above samples to GAL. GAL prepared the COC, which contains the note in the lower right corner, "On ice, filtered & pres. in field." **This hand written note on the CoC is in error, the total recoverable metals samples were not filtered in the field.**

Unfortunately, we did not notice the error at the time of transferring custody of the samples.

The dissolved metals samples were filtered using commercially obtained one use filter - sample bottle assemblies that are provided in sealed bags. Total recoverable metals sample bottles were collected directly from the surface water directly into their own 250 ml bottle. Given the equipment and standard operating procedures used for sample collection, there is no possibility that total recoverable metals samples could have been filtered in the field.

The CC48 sample from August 6 was delivered to GAL the morning of August 7. I do not have the CoC at the moment, but I'll get it & send it to you all. I am confident it contains the identical note in the lower right corner, and as above, that CoC note is erroneous.

I discussed the above this evening with Leslie Christner & Ryan Bahnfleth. Both of them

confirmed that the total recoverable metals samples in question were not filtered. I also spoke with Dan Wall & Steve Auer about this situation this evening. Both of them also agreed that based on the surface water sample collection SOP, and the associated one time use filtration-bottle assemblies, it is simply impossible that the samples for total recoverable metals could have been filtered in the field.

Let me know on my [epa.gov](mailto:epa.gov) email if you would like me to retrieve a copy of the CoC for the CC48 sample from GAL.

Leslie, Ryan, Dan & Steve, please correct me if any of the above is mistaken.

--

Dave Christenson